

V&V Reference Report

L2 ASCDS Version : 8.2.1

Observation 1286 - L2 Version 4

Chandra X-Ray Center

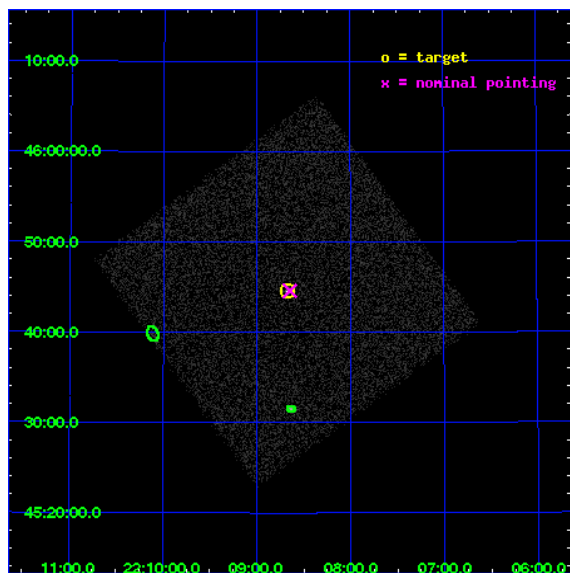
L2 Processing Date : Jan 12 2010

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
3	Point Sources	17
A	Summary	18
A.1	Status	18
A.2	Comments	18

1 Front

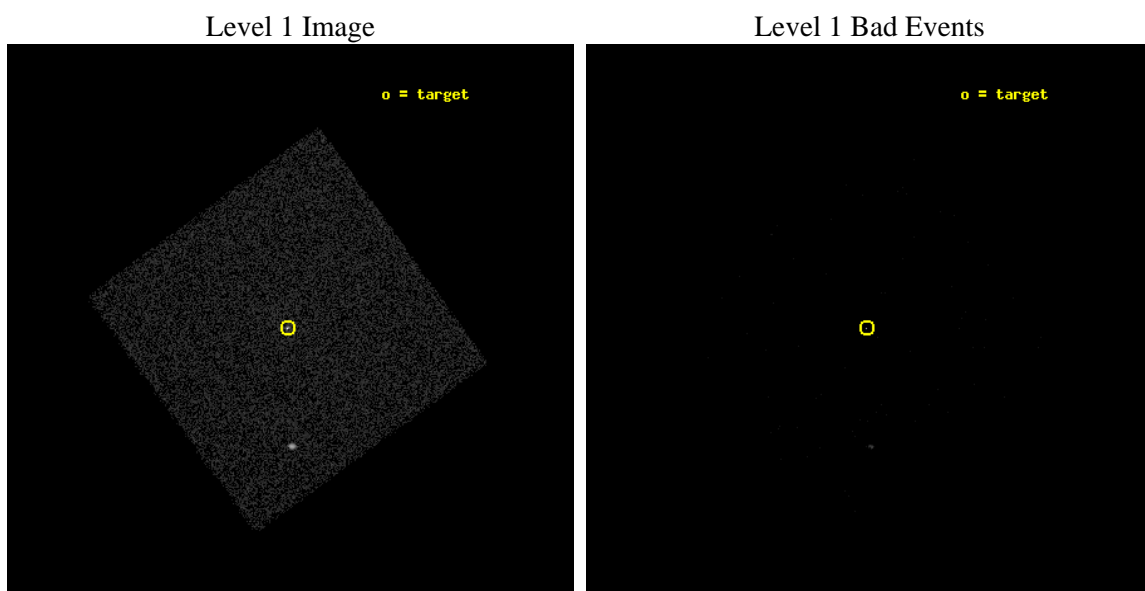
seq_num	280236	Sequence number
obs_id	1286	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.1701	Observer's specified target RA
dec_targ	45.7423	Observer's specified target Dec
ra_nom	332.1617852229	Nominal RA
dec_nom	45.74340715158	Nominal Dec
roll_nom	189.0524518586	Nominal Roll
revision	4	Processing version of data
ontime	795.65627858043	[s]
livetime	789.5697692529	Ontime multiplied by DTCOR
l2events	27442	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	Scheduled observation exposure time
ascdsver	8.2.1	Processing system revision	ontime	795.65627858043	[s]
caldbver	4.1.5	 	l1events	47888	Number of level 1 events
date	2010-01-12T15:52:28	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

Level 1 Events

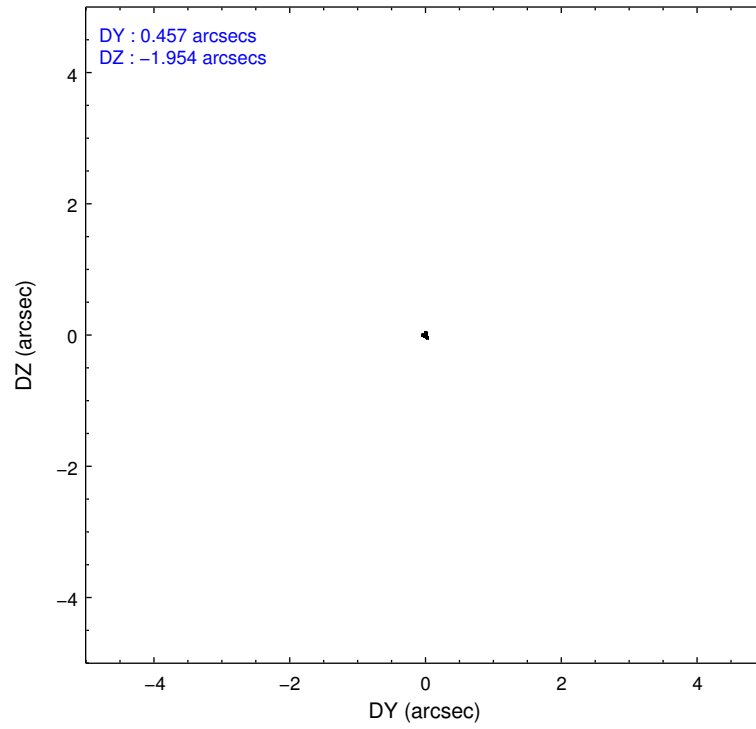
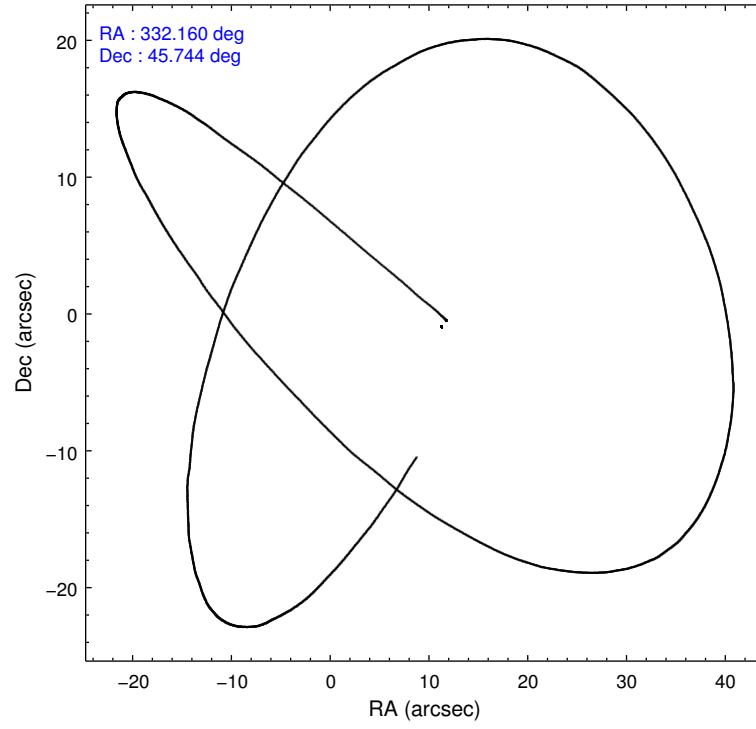
	segment 0
level 1 events	47888
rejected events	2740
rejected %	5%

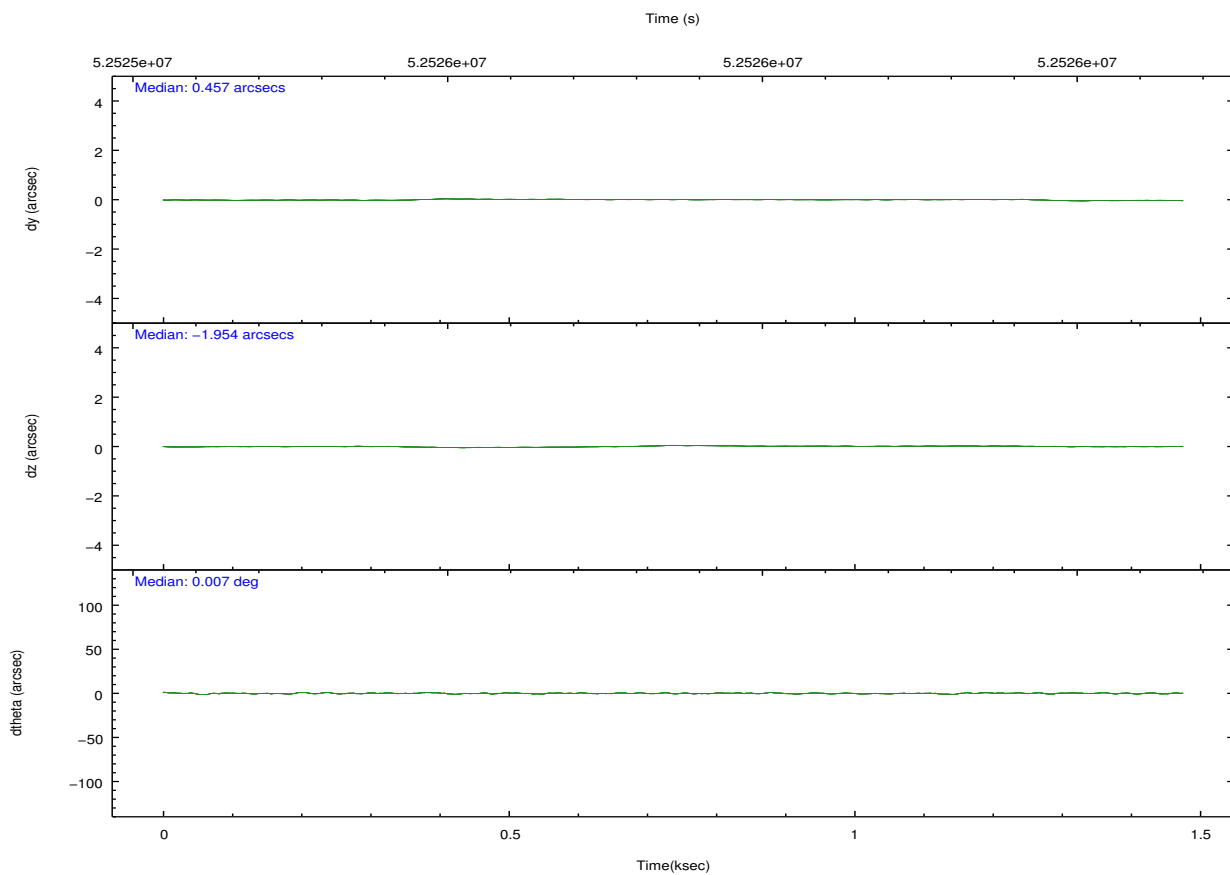
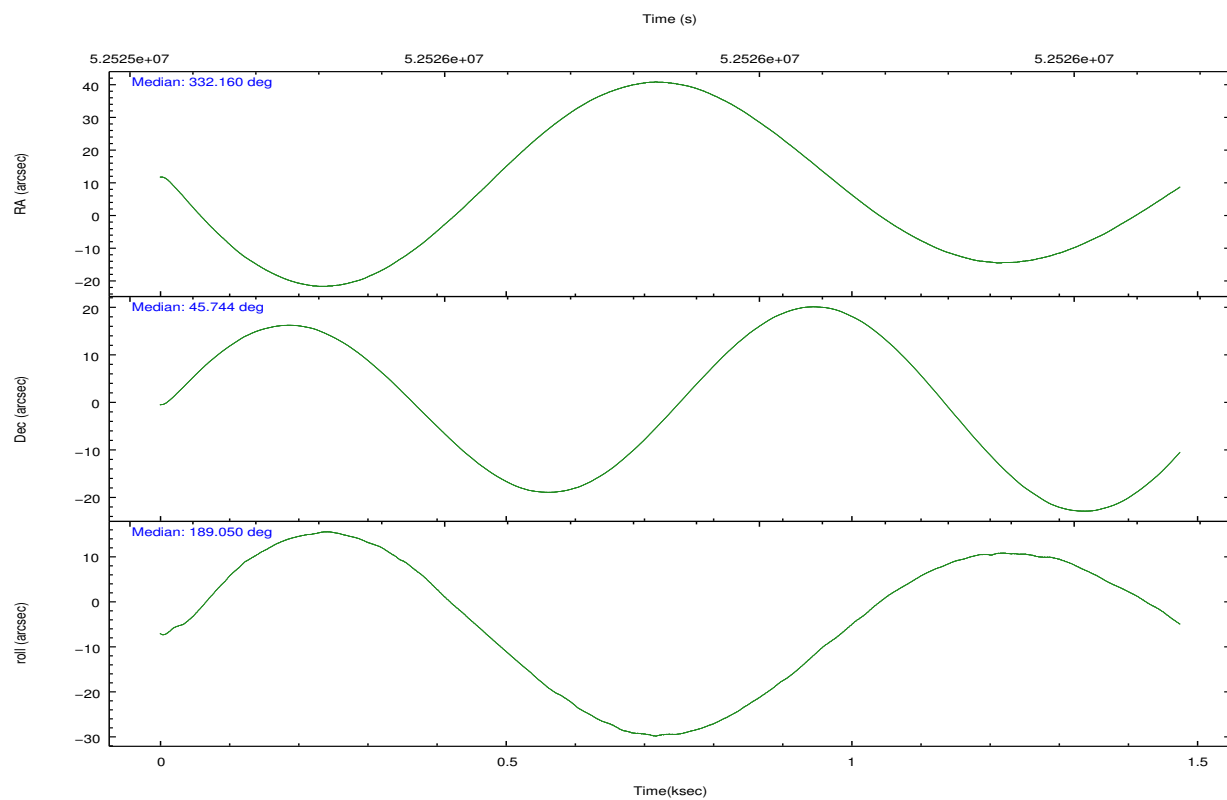
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	332.193887	332.1617852229003
Pointing Dec	45.760833	45.74340715158007
Pointing Roll	189.124914	189.0524518585992
SIM focus pos (mm)	-1.040293	-1.538932446707994
SIM defocus (mm)	0	-0.4986398260491198
SIM translation stage pos (mm)	126.985494	126.9829799899862
SIM translation stage offset (mm)	0	0.002508901615314585
Observation start time	52525594.184000	52524928.437102
Observation start date	1999-08-31T22:25:30	1999-08-31T22:15:28
Observation end time	52526594.184000	52526728.337167
Observation end date	1999-08-31T22:42:10	1999-08-31T22:45:28

Parameter	Planned	Actual
Obspar format version number	6	6
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



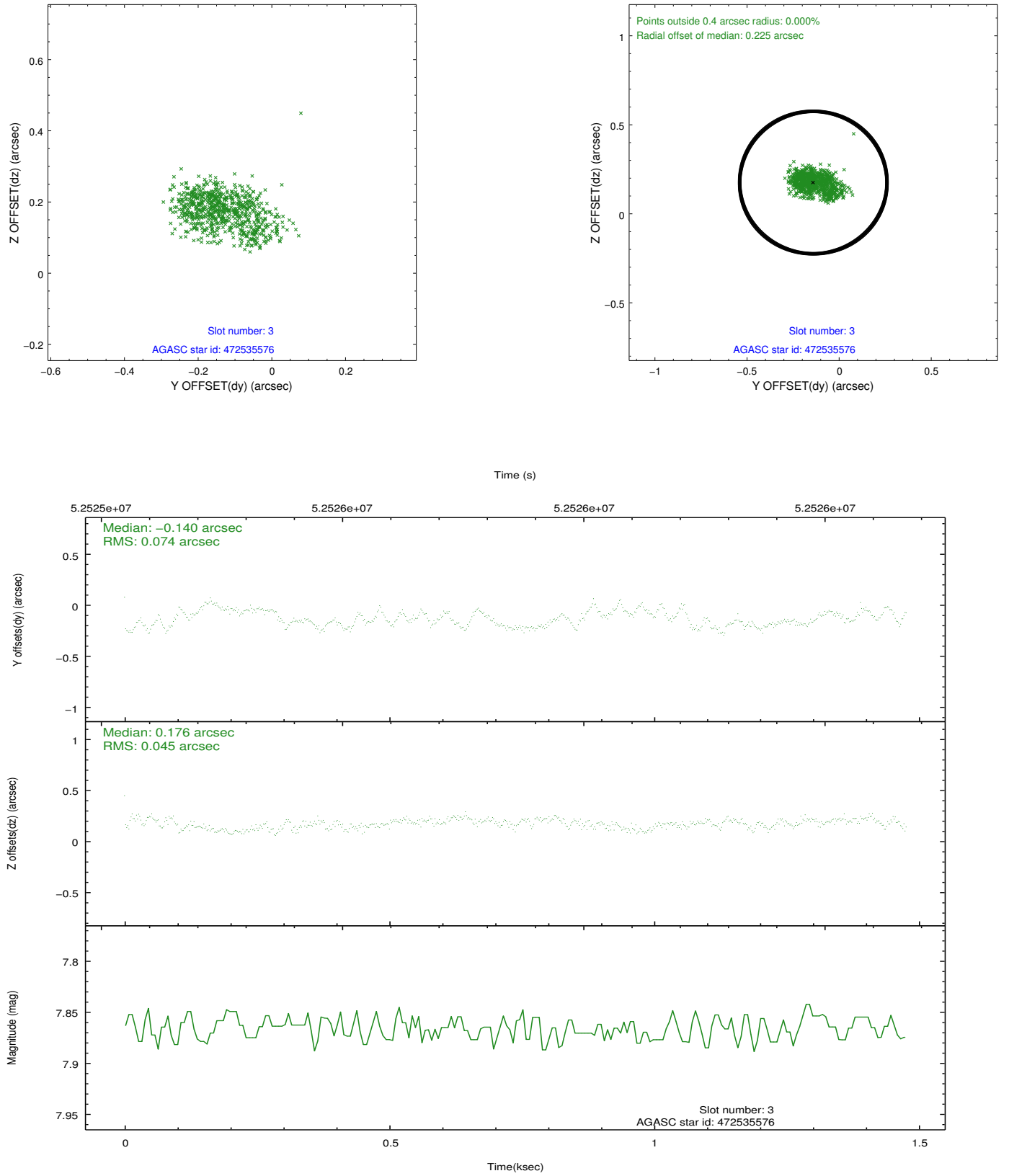


Slot Statistics

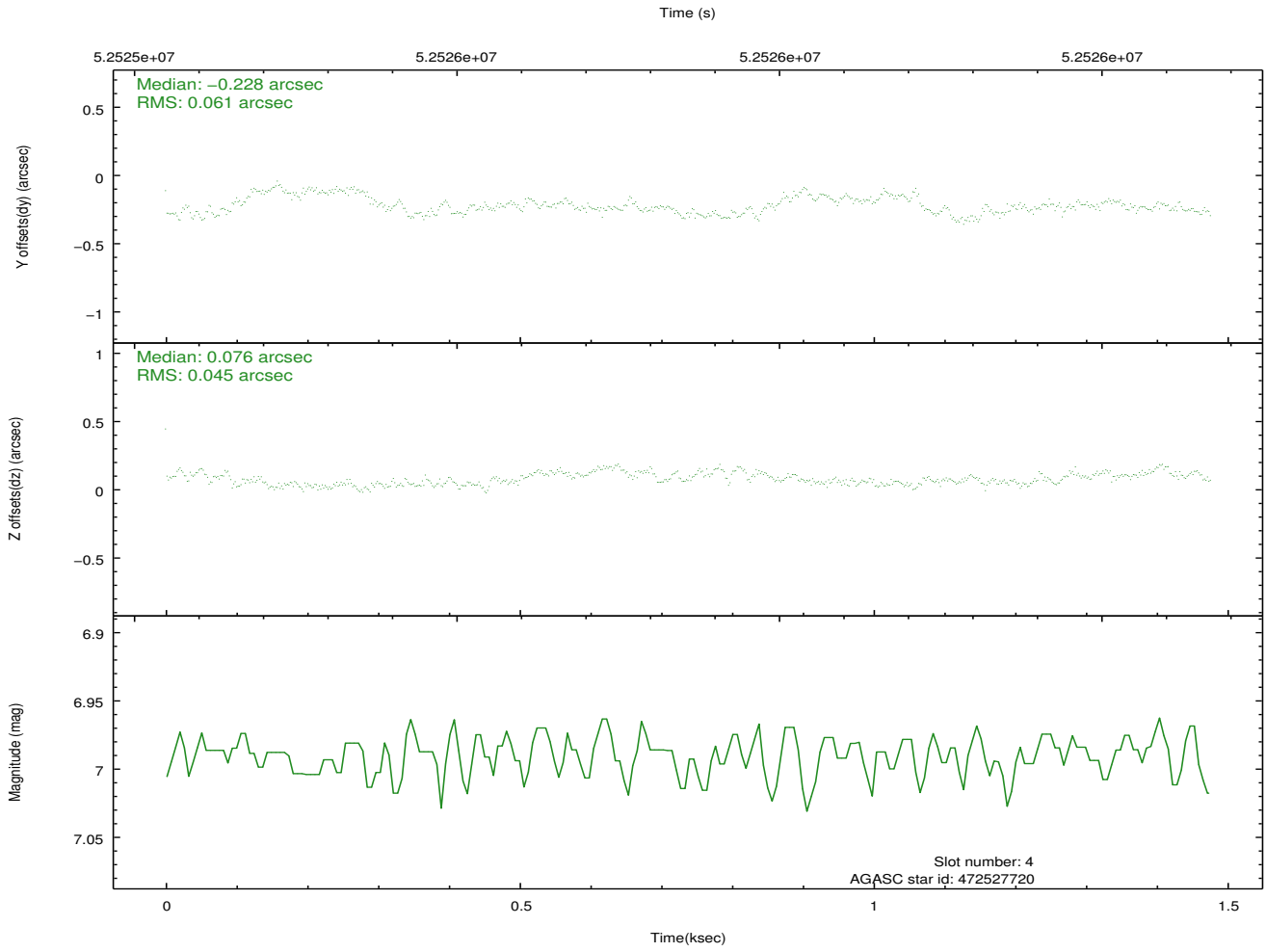
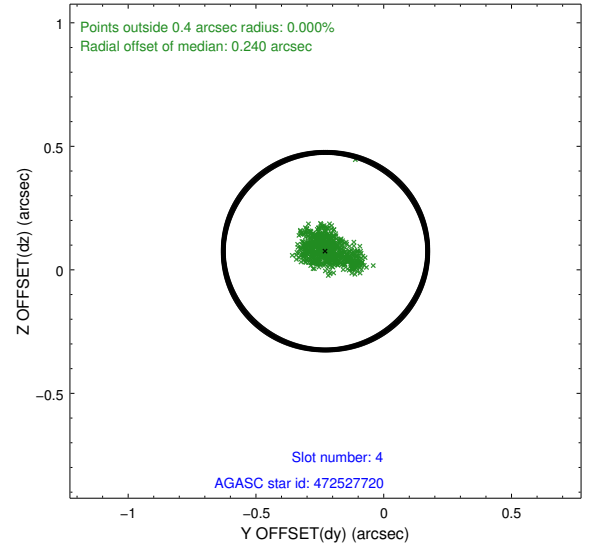
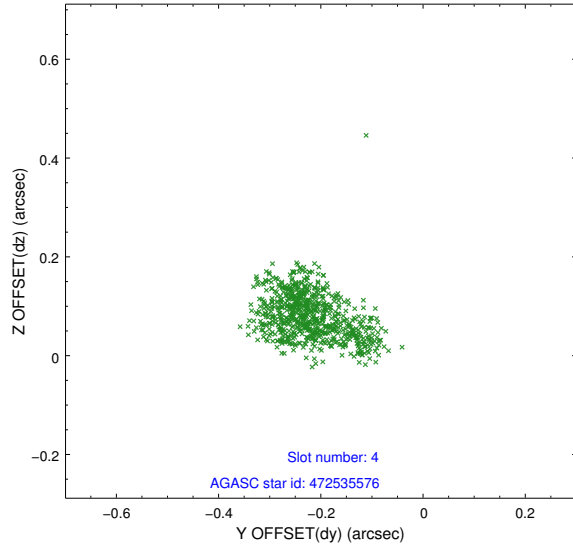
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.95	721	0.025	-0.122	0.006	0.010	0.000000	0.000000	-755.75	-1285.72
1	FID	HRC-I-3	7.03	721	0.038	0.036	0.007	0.010	0.000000	0.000000	-1185.33	1017.09
2	FID	HRC-I-4	6.98	721	0.051	-0.003	0.005	0.009	0.000000	0.000000	1285.24	1017.94
3	GUIDE	472535576	7.87	721	-0.140	0.176	0.092	0.151	331.438373	46.291802	1546.27	-2193.68
4	GUIDE	472527720	6.99	721	-0.228	0.076	0.079	0.131	331.460205	45.112509	2206.24	1997.89
5	GUIDE	472665256	9.02	720	0.038	-0.101	0.080	0.134	332.808125	46.195041	-1761.81	-1303.67
6	GUIDE	472659832	9.46	721	-0.023	-0.039	0.095	0.154	332.780399	46.098139	-1646.27	-973.79
7	BAD	472654568	9.47	518	0.457	-0.159	0.167	0.226	332.194449	45.063576	388.92	2469.94

2.4 Star Slots

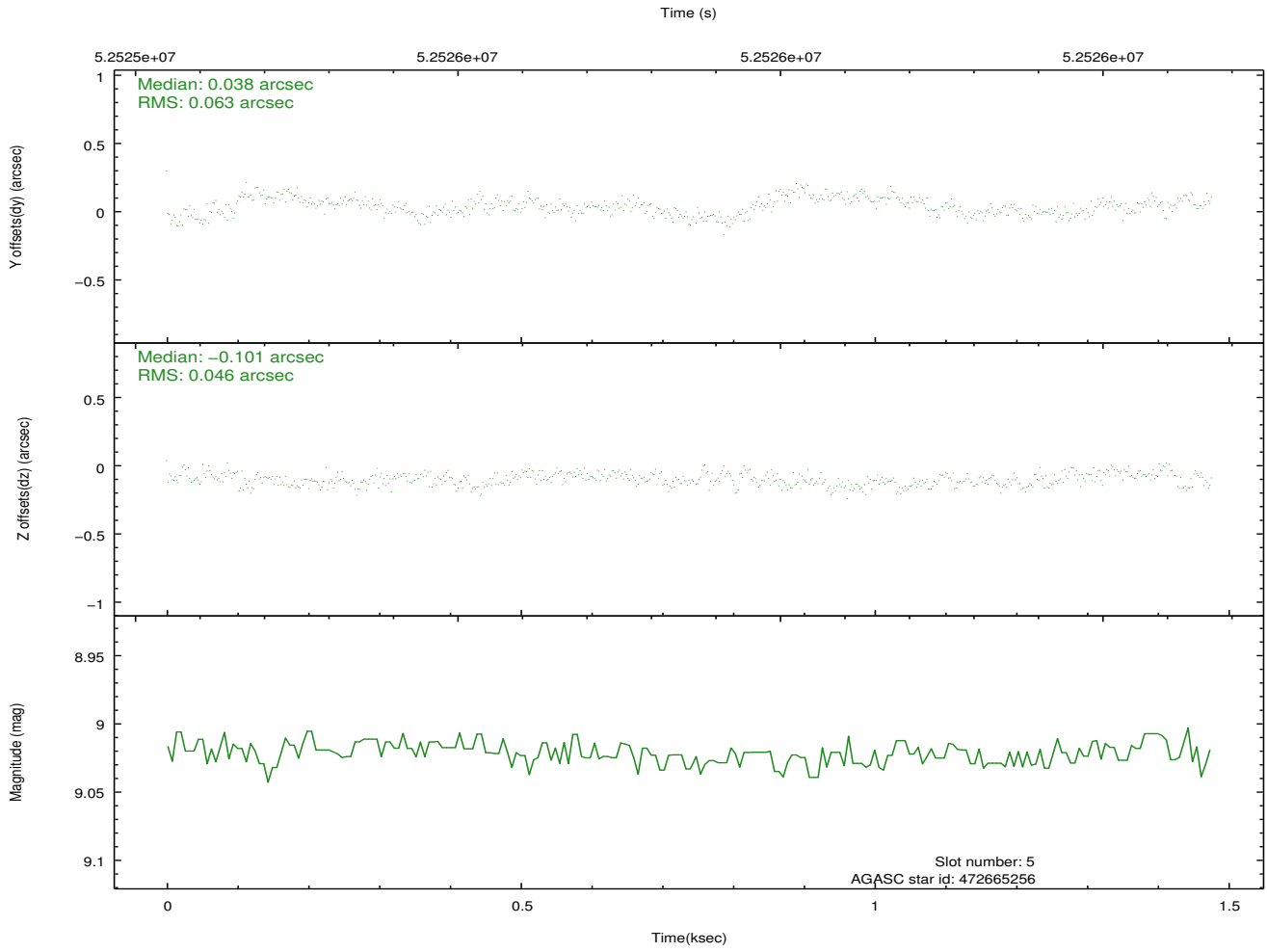
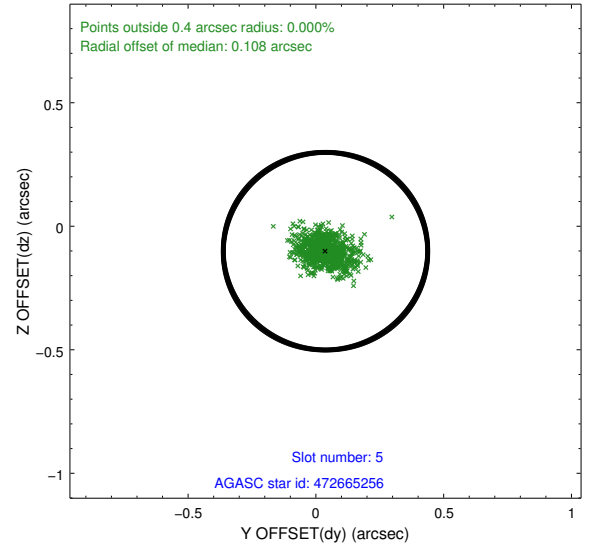
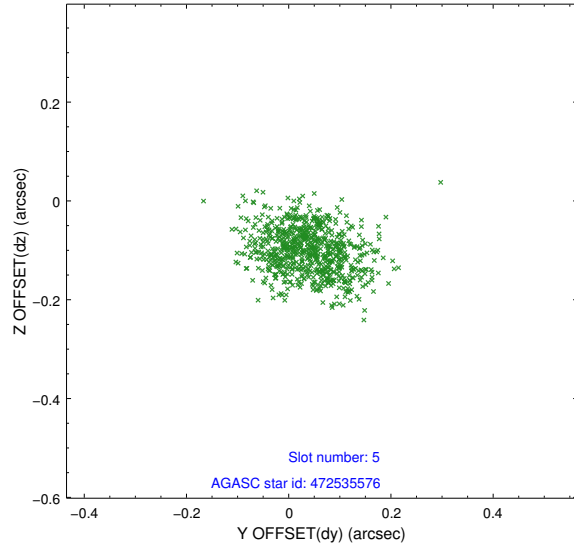
2.4.1 Slot 3



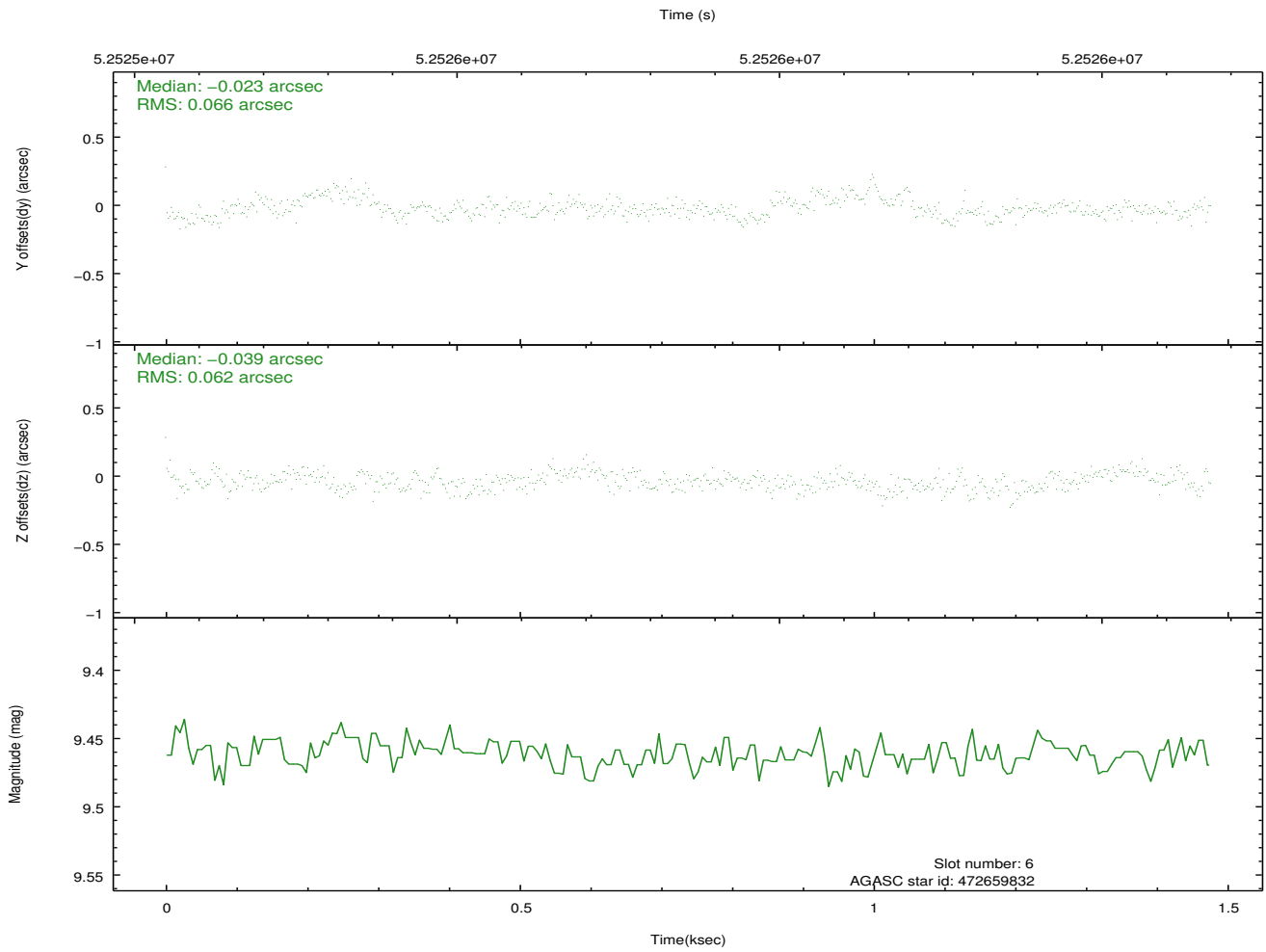
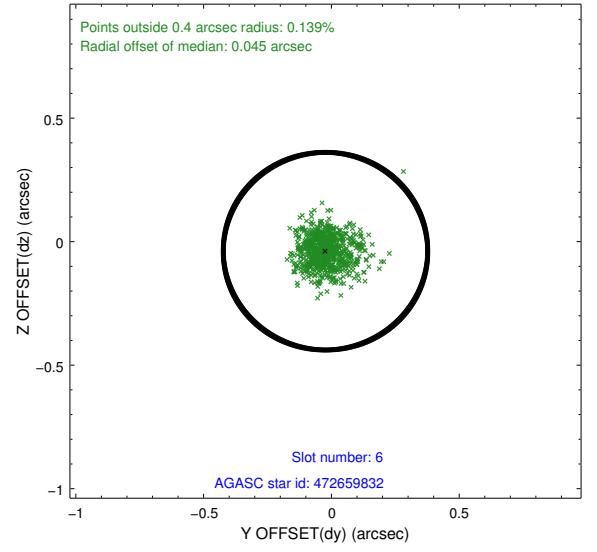
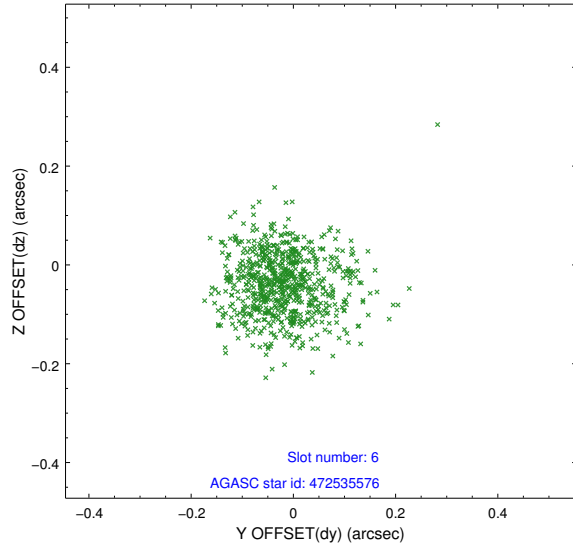
2.4.2 Slot 4



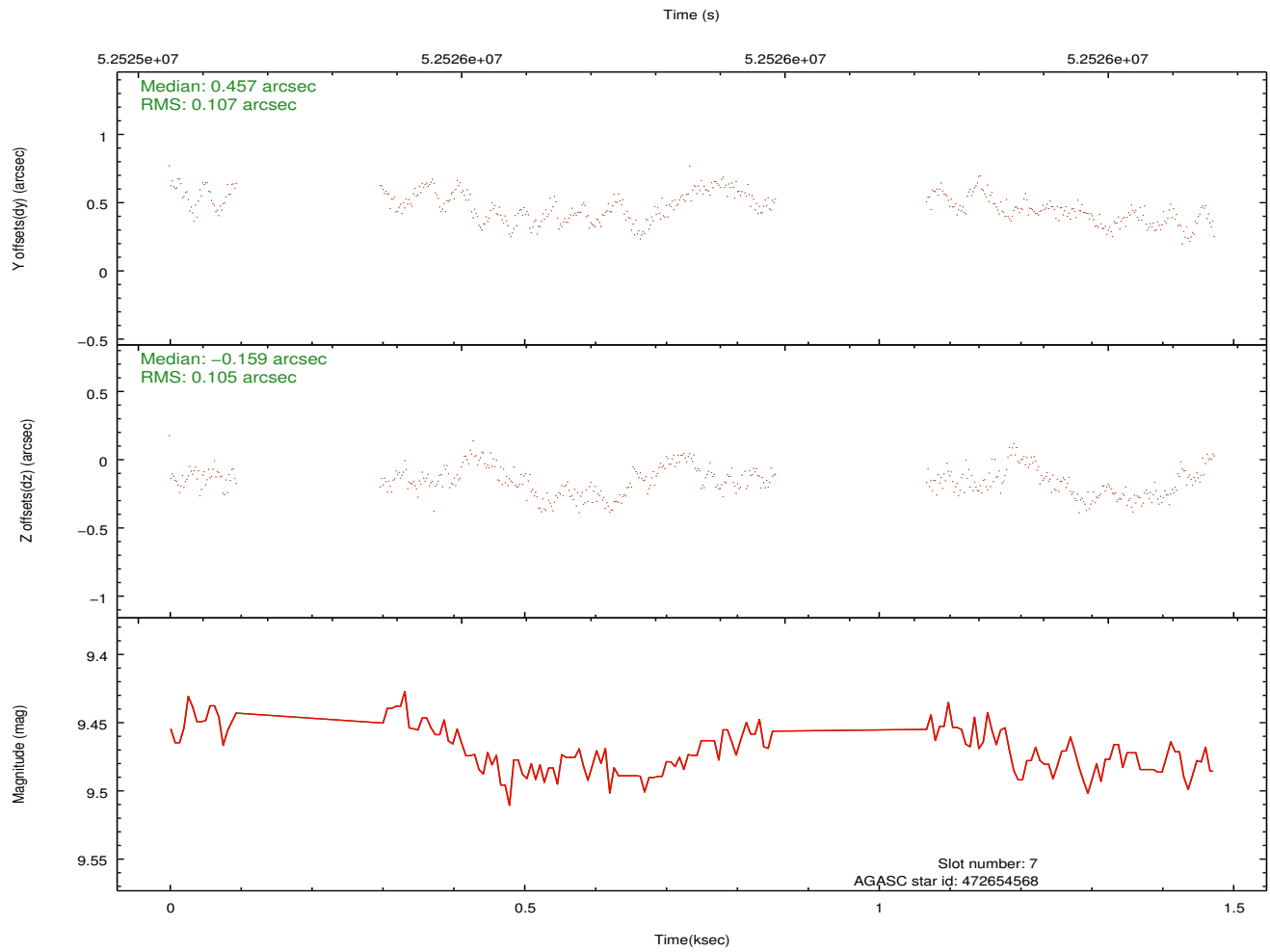
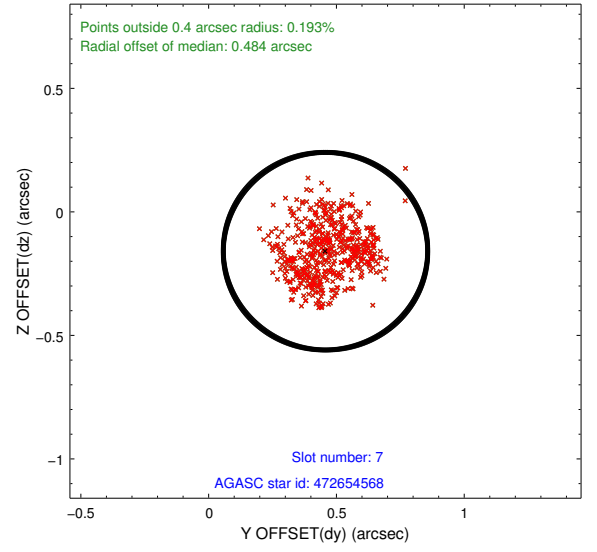
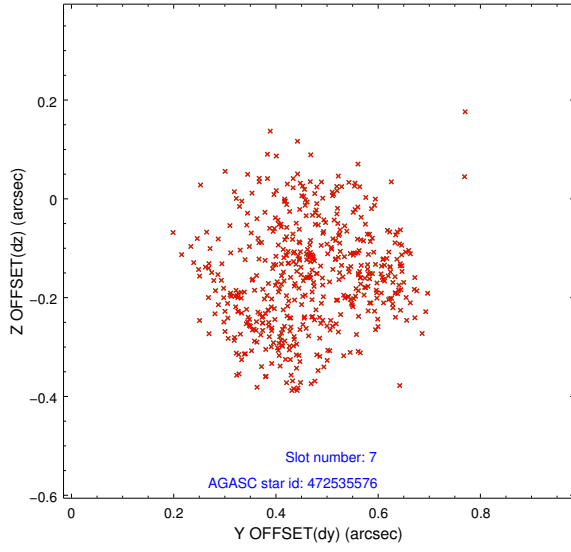
2.4.3 Slot 5



2.4.4 Slot 6

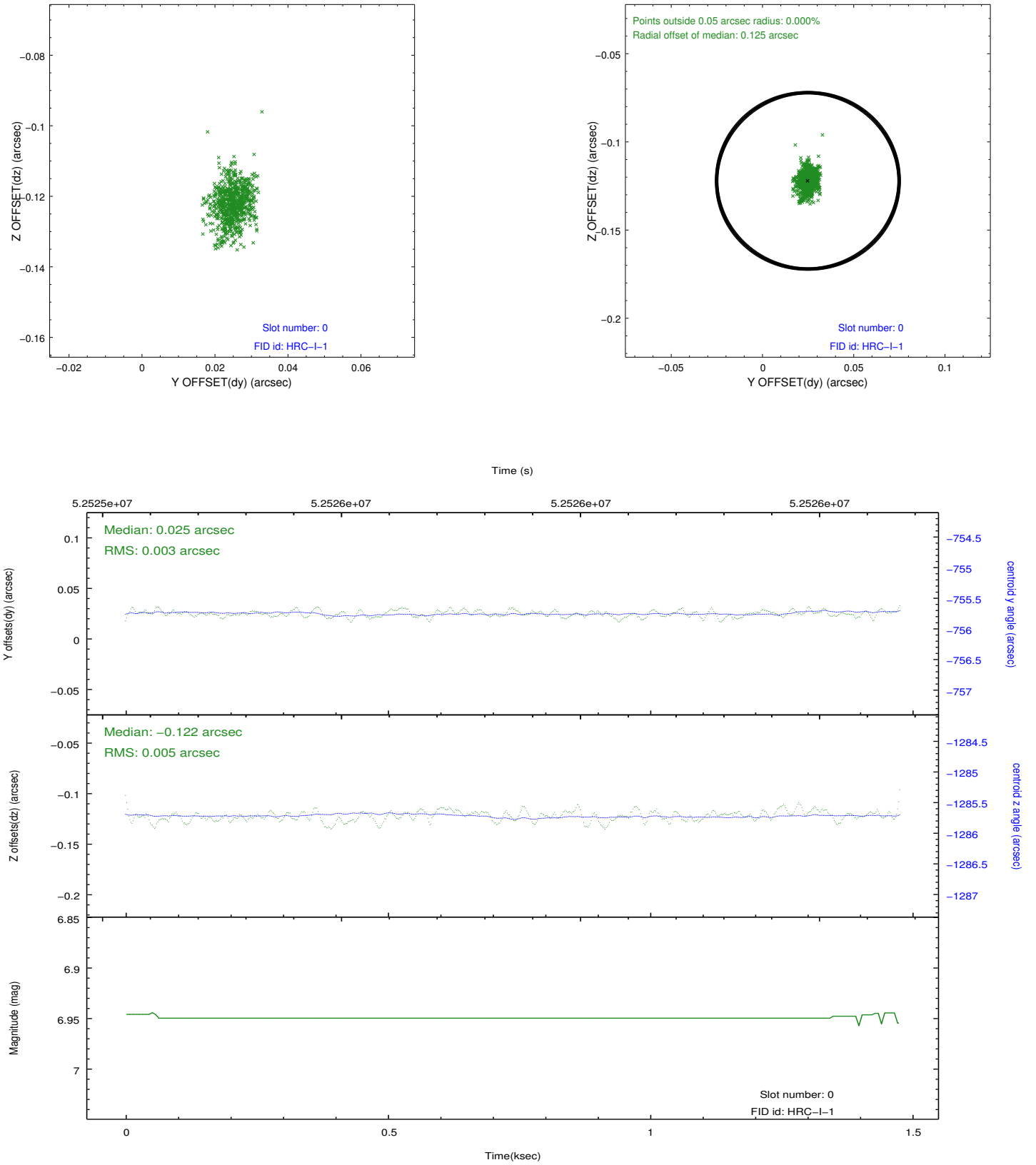


2.4.5 Slot 7

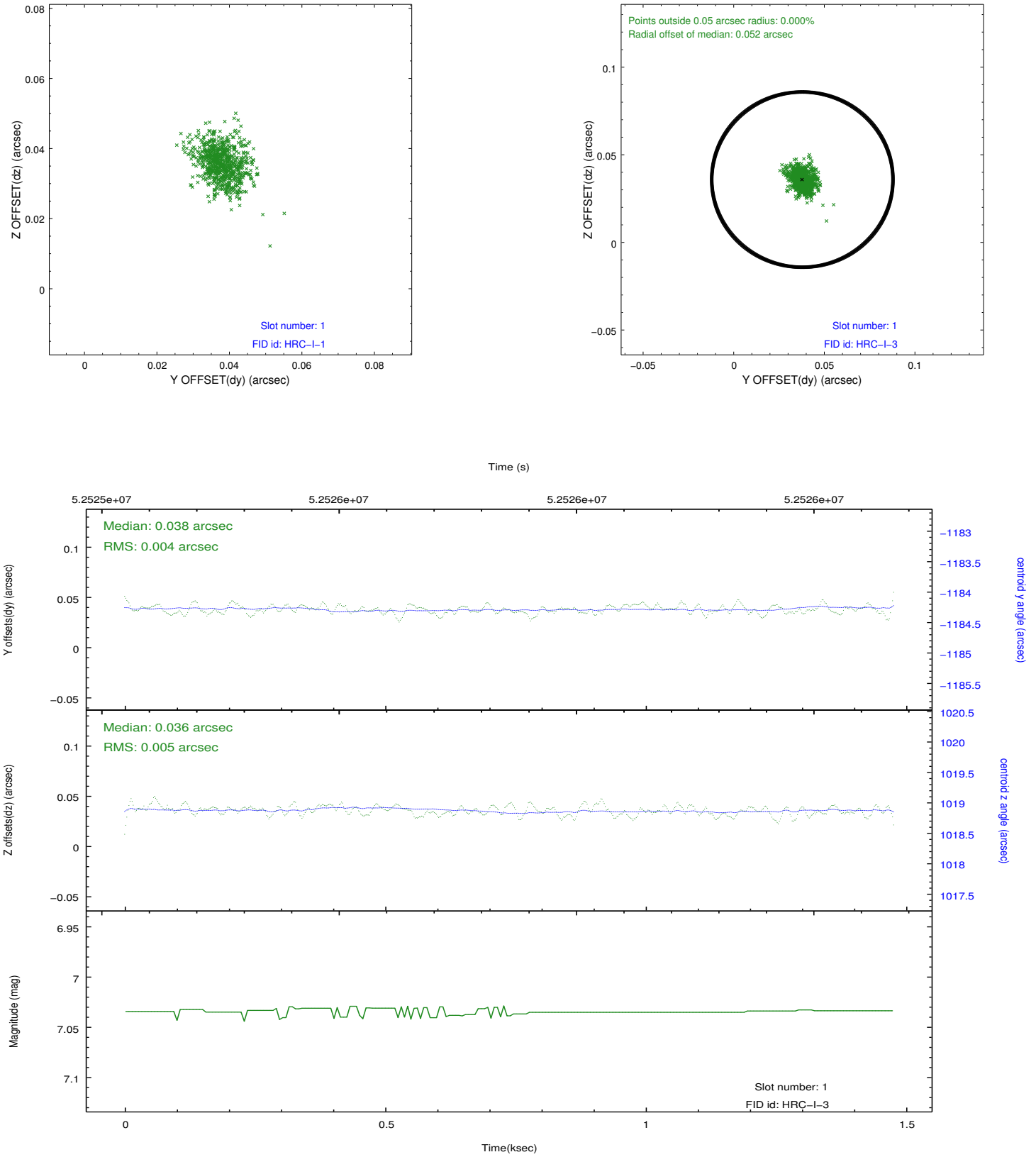


2.5 FID Slots

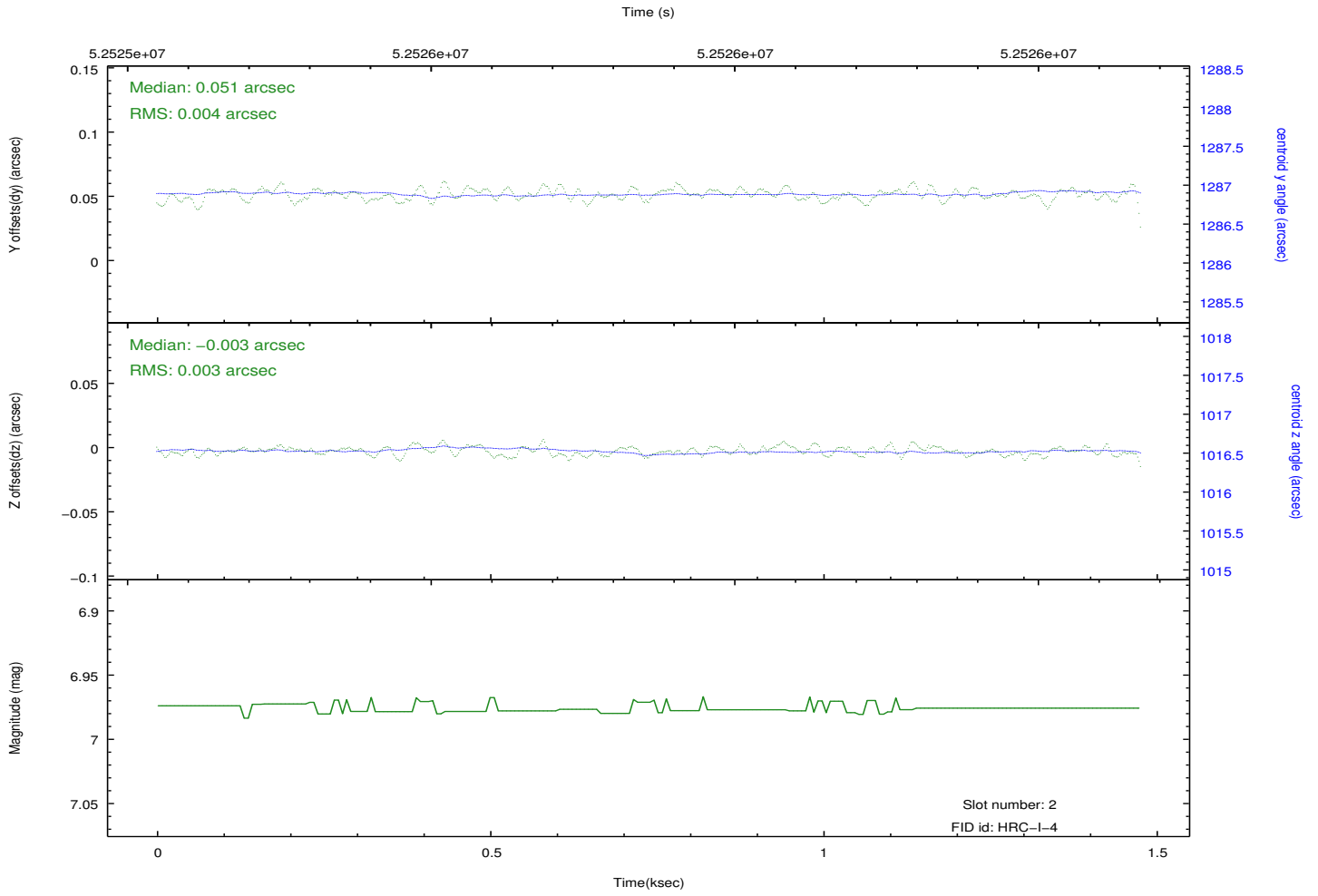
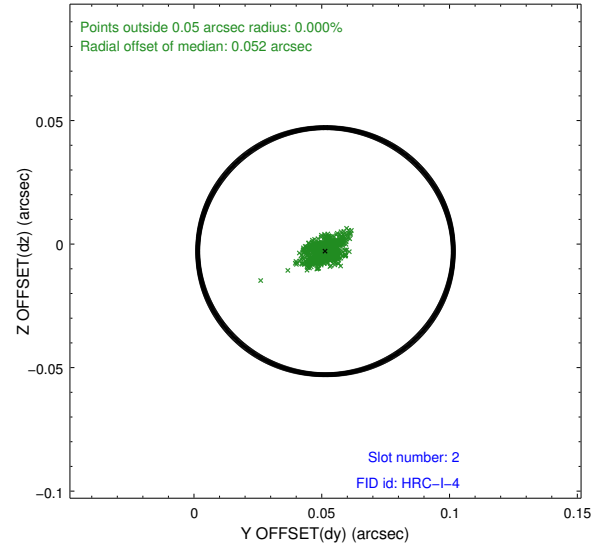
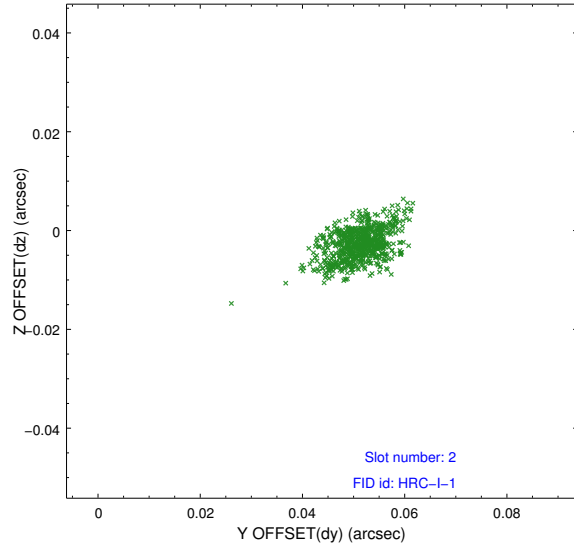
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources

16.07 arcmin



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.01.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.795

A.2 Comments

HRC-I series of focus observations around the revised focus. HRC using manual commanding to revised focus position (-1070) while maneuvering for the observation

=====

The guide star in slot 7 was removed from the aspect solution due to poor data quality. The aspect solution is not expected to be degraded by removing one fid light or guide star from the solution.